

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
 Data File : BN009015.D
 Acq On : 17 Dec 2019 14:16
 Operator : JU
 Sample : K6239-05 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-S

Manual Integrations
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mohammad
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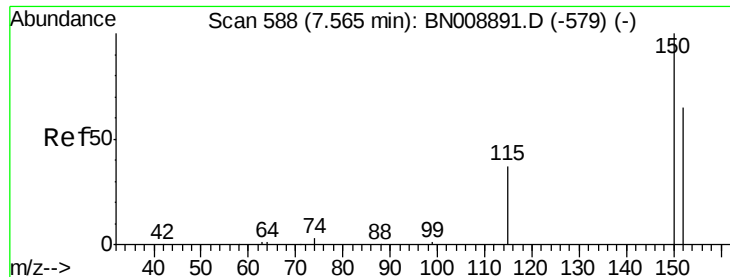
Quant Time: Dec 18 14:34:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 17:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	3970	0.40	ng	0.00
7) Naphthalene-d8	10.30	136	16685	0.40	ng	-0.01
13) Acenaphthene-d10	14.17	164	16921	0.40	ng	-0.01
19) Phenanthrene-d10	16.92	188	26449	0.40	ng	-0.01
27) Chrysene-d12	21.13	240	22205	0.40	ng	0.00
34) Perylene-d12	23.29	264	21651	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	538	0.05	ng	0.00
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng	
11) 2-Methylnaphthalene-d10	11.90	152	1624	0.06	ng	-0.01
14) 2,4,6-Tribromophenol	15.67	330	288	0.04	ng	-0.01
15) 2-Fluorobiphenyl	12.79	172	2635	0.04	ng	-0.02
25) Fluoranthene-d10	18.97	212	3049	0.04	ng	0.00
29) Terphenyl-d14	19.57	244	6245	0.12	ng	0.00

Target Compounds					Qvalue	
9) Naphthalene	10.35	128	6922186	152.090	ng	100
12) 2-Methylnaphthalene	11.97	142	1335026	39.366	ng	100
16) Acenaphthylene	13.89	152	168235	2.174	ng	# 83
17) Acenaphthene	14.24	154	1406582	27.370	ng	98
18) Fluorene	15.23	166	1921199	27.799	ng	98
23) Phenanthrene	16.97	178	7638767	91.760	ng	98
24) Anthracene	17.06	178	2147879	29.298	ng	# 96
26) Fluoranthene	19.00	202	5643031	56.969	ng	98
28) Pyrene	19.37	202	4193842	53.900	ng	# 91
30) Benzo(a)anthracene	21.12	228	1453490	18.461	ng	96
31) Chrysene	21.17	228	1160571	14.222	ng	95
32) Bis(2-ethylhexyl)phthalate	21.08	149	96625	2.621	ng	# 81
33) Indeno(1,2,3-cd)pyrene	25.40	276	307776	3.562	ng	96
35) Benzo(b)fluoranthene	22.66	252	1081772	13.956	ng	# 93
36) Benzo(k)fluoranthene	22.69	252	390517m	5.005	ng	
37) Benzo(a)pyrene	23.20	252	596817	8.573	ng	# 93
38) Dibenzo(a,h)anthracene	25.41	278	90101	1.380	ng	# 73
39) Benzo(a,h,i)perylene	26.04	276	256886	3.986	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

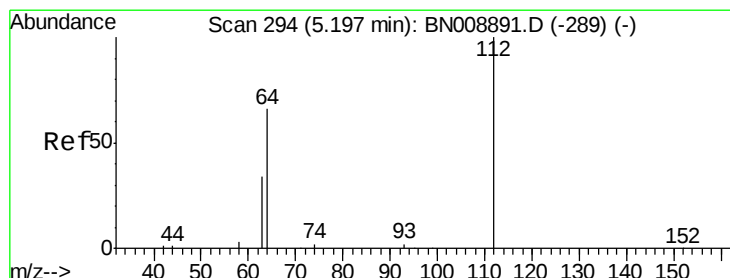
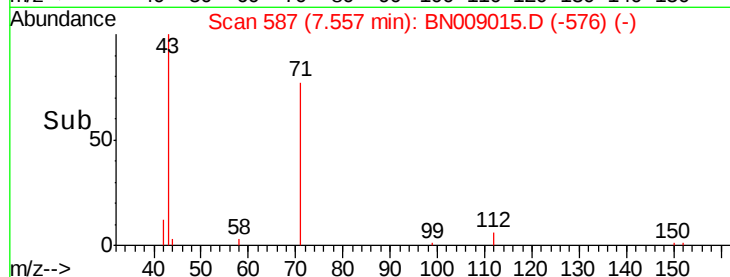
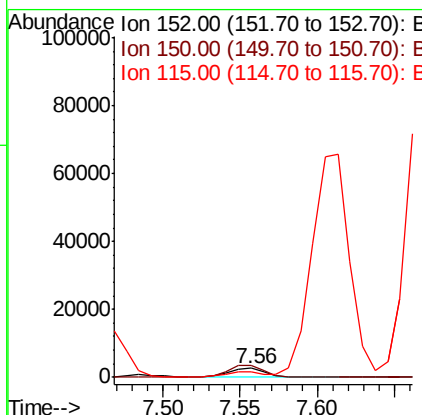
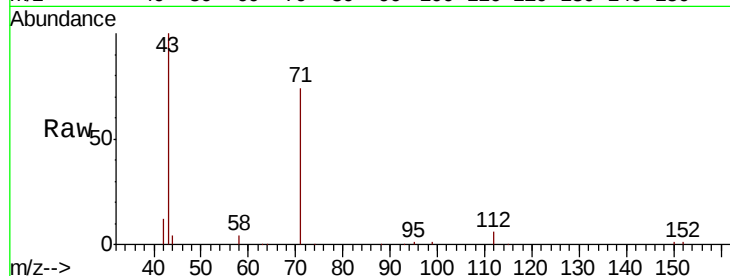
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.56 min Scan# 587
Delta R.T. -0.01 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.7	122.3	183.5
115	64.7	48.4	72.6

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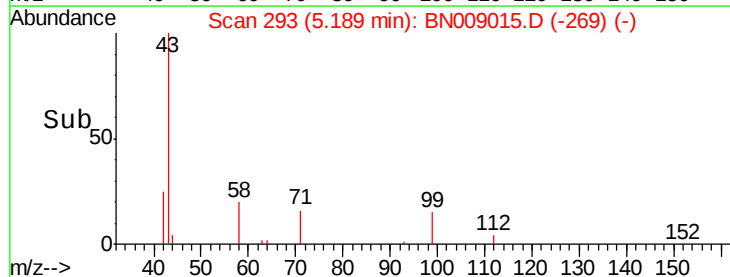
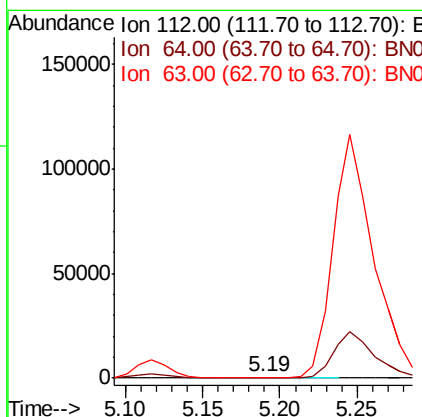
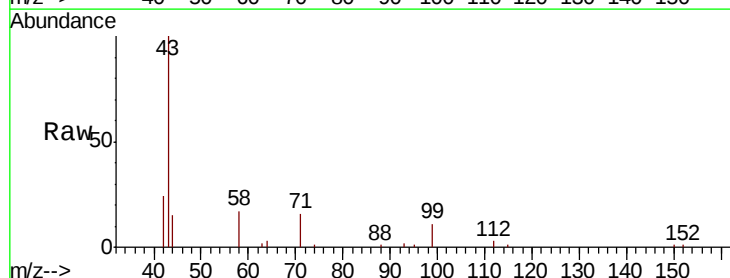
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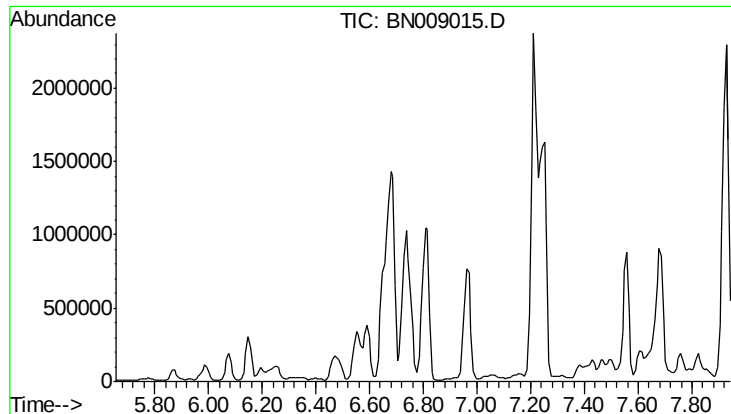


#4

2-Fluorophenol
Concen: 0.053 ng
RT: 5.19 min Scan# 293
Delta R.T. -0.01 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	57.7	86.5#
63	0.0	29.6	44.4#





#5

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.75 min

Lab File: BN009015.D

Acq: 17 Dec 2019 14:16

Tot Ion: 99

Sig Exp Ratio

99 100

42 25.1

71 35.2

Instrument :

BNA_N

ClientSampleId :

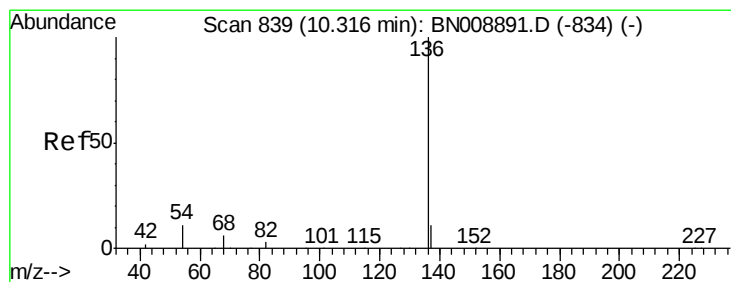
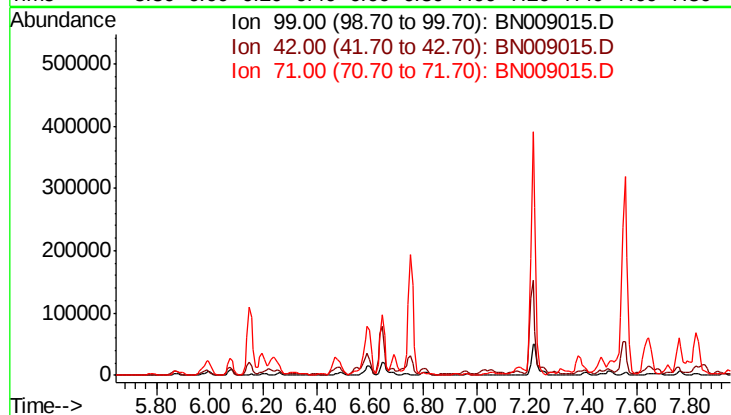
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#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. -0.01 min

Lab File: BN009015.D

Acq: 17 Dec 2019 14:16

Tgt Ion:136 Resp: 16685

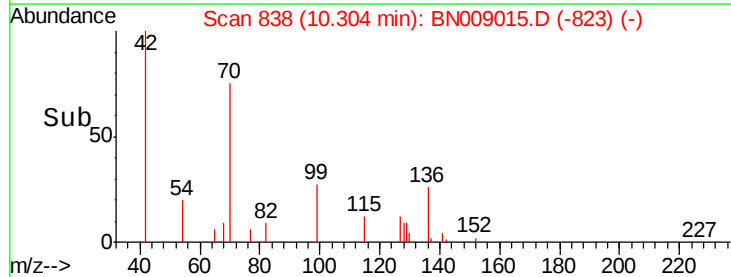
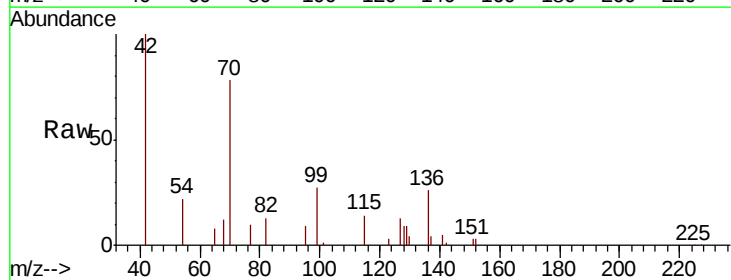
Ion Ratio Lower Upper

136 100

137 16.0 9.2 13.8#

54 84.6 9.6 14.4#

68 46.4 5.6 8.4#

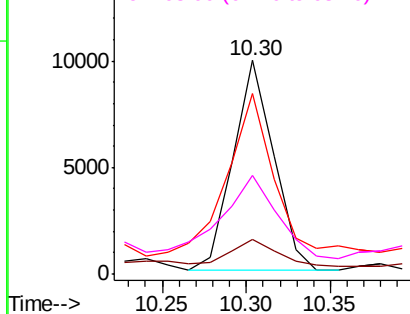


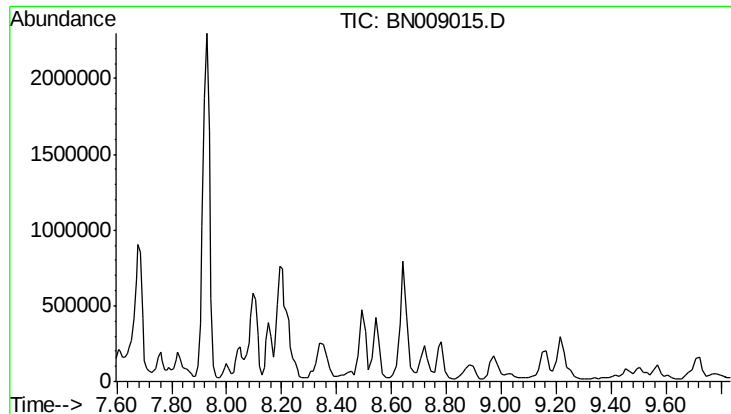
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC





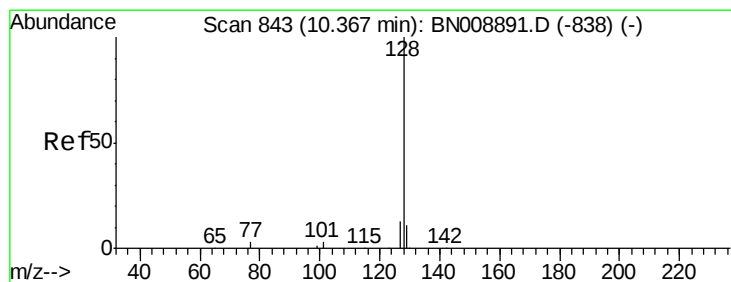
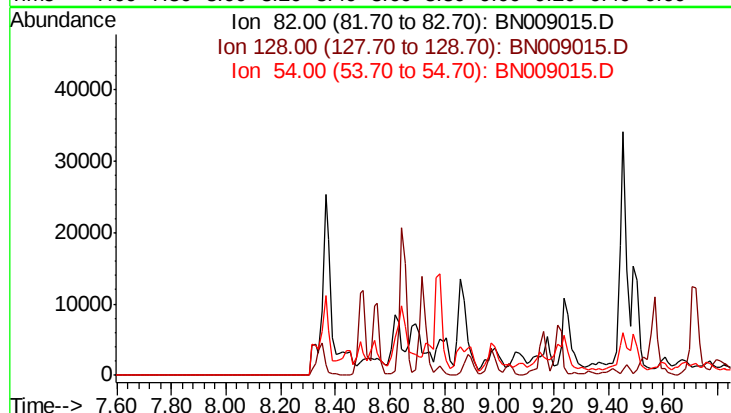
#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.69 min
 Lab File: BN009015.D
 Acq: 17 Dec 2019 14:16

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-S

Tot Ion	82
Sig	Exp Ratio
82	100
128	36.4
54	74.6

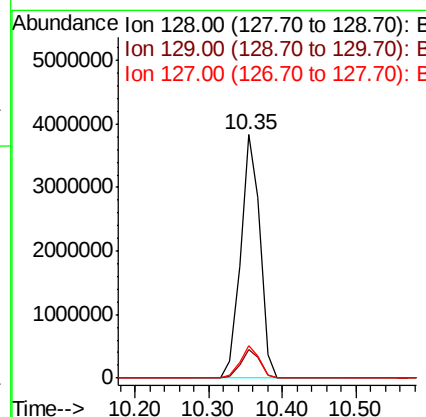
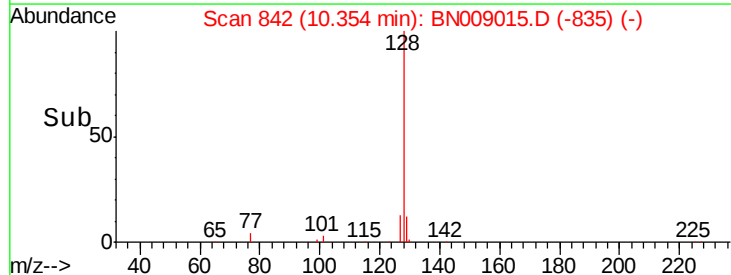
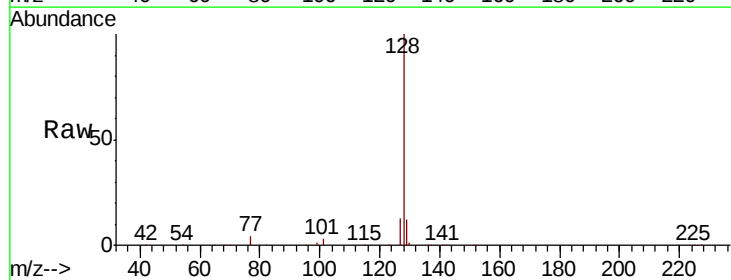
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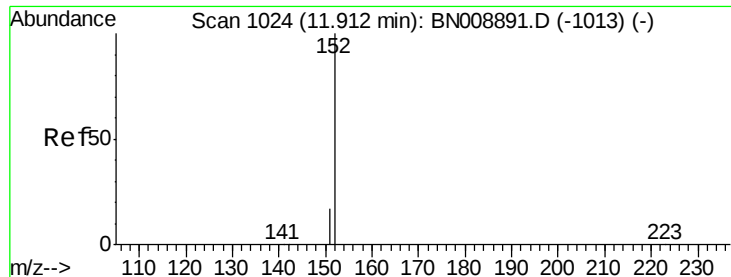
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#9
 Naphthalene
 Concen: 152.090 ng
 RT: 10.35 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BN009015.D
 Acq: 17 Dec 2019 14:16

Tgt Ion	128	Resp	6922186
Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.4	14.0
127	13.3	10.8	16.2





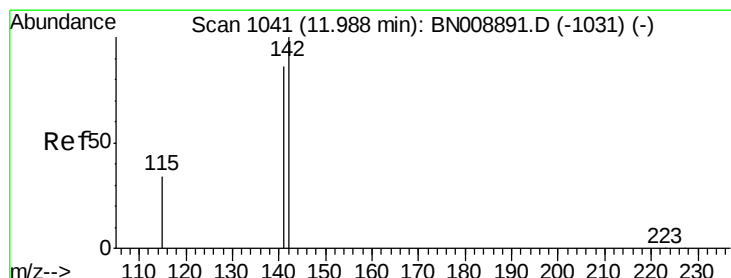
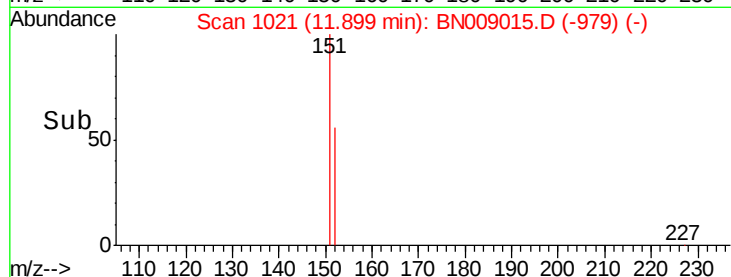
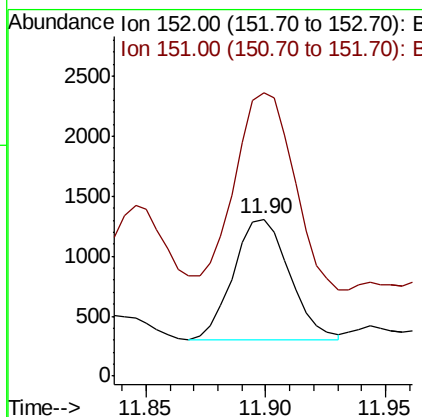
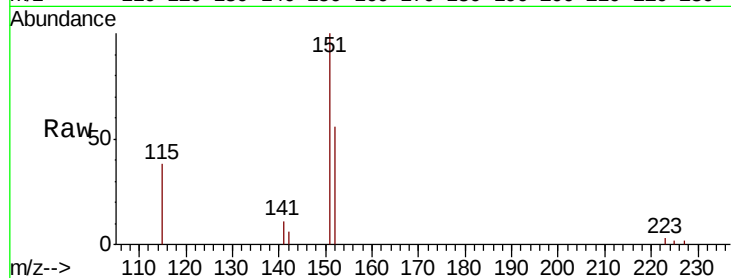
#11
2-Methylnaphthalene-d10
Concen: 0.057 ng
RT: 11.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-S

Tot Ion:152 Resp: 1624
Ion Ratio Lower Upper
152 100
151 187.7 15.2 22.8#

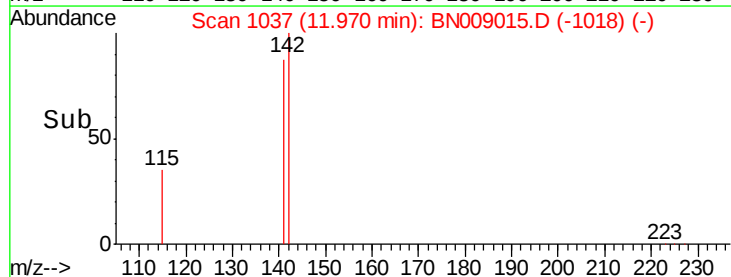
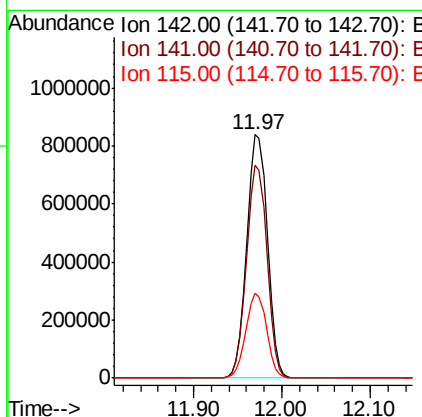
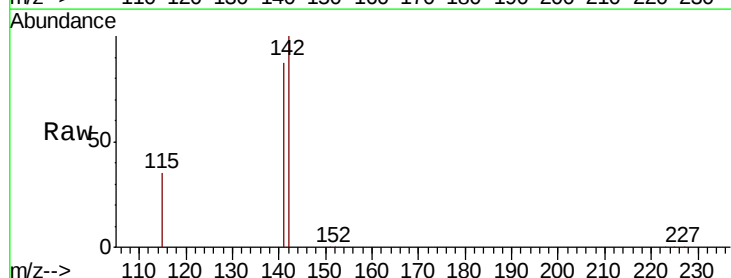
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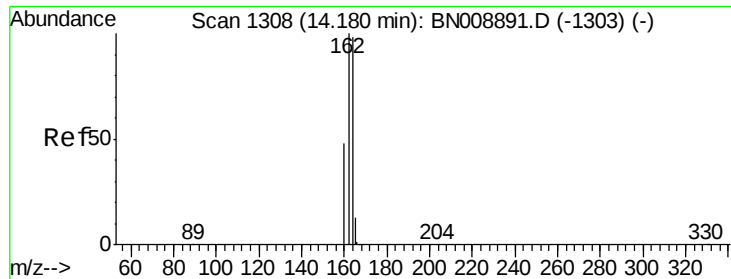
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#12
2-Methylnaphthalene
Concen: 39.366 ng
RT: 11.97 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Tgt Ion:142 Resp: 1335026
Ion Ratio Lower Upper
142 100
141 87.2 69.3 103.9
115 35.0 27.9 41.9





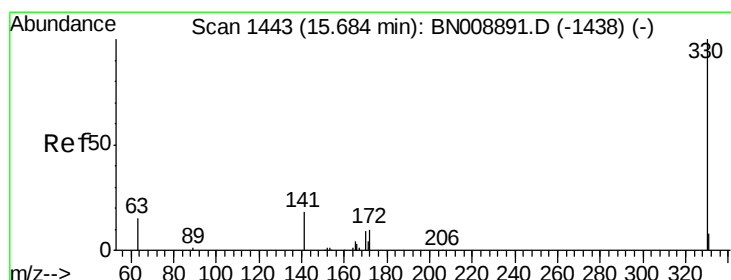
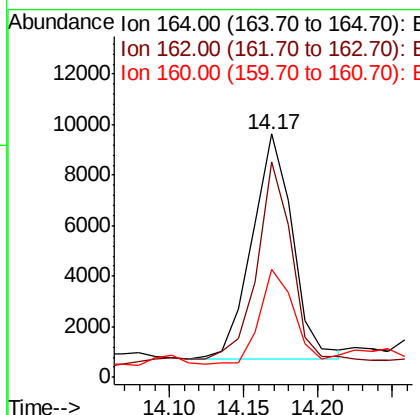
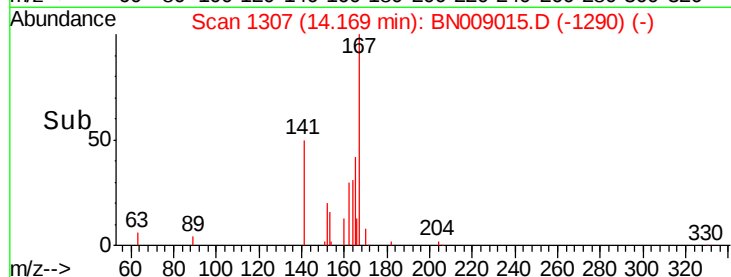
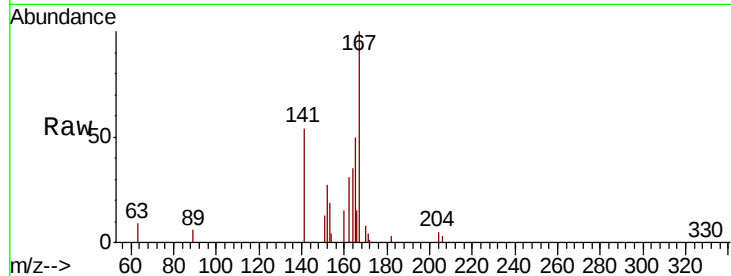
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.17 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BN009015.D
 Acq: 17 Dec 2019 14:16

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-S

Tot Ion	Ratio	Lower	Upper
164	100		
162	88.2	81.9	122.9
160	44.1	39.3	58.9

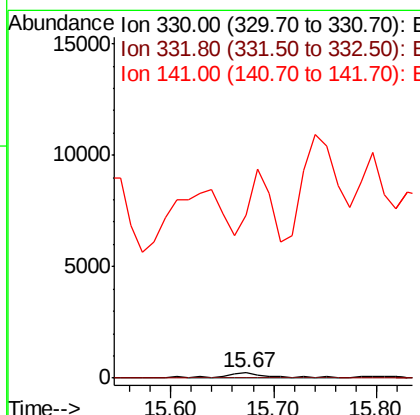
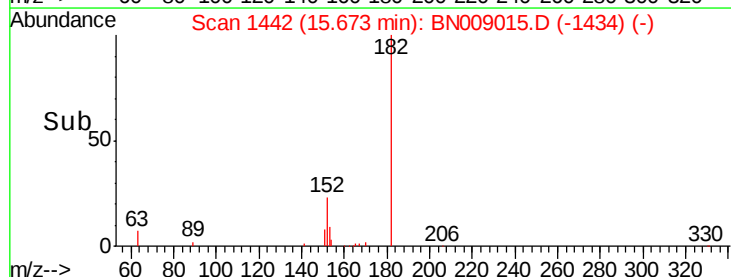
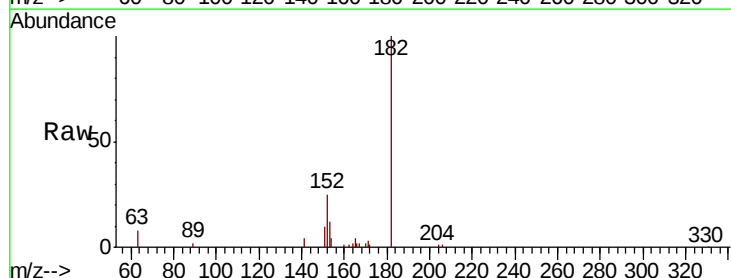
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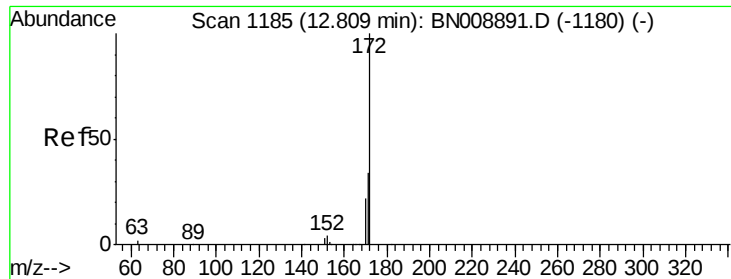
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#14
 2,4,6-Tribromophenol
 Concen: 0.035 ng
 RT: 15.67 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BN009015.D
 Acq: 17 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	1560.1	29.6	44.4#





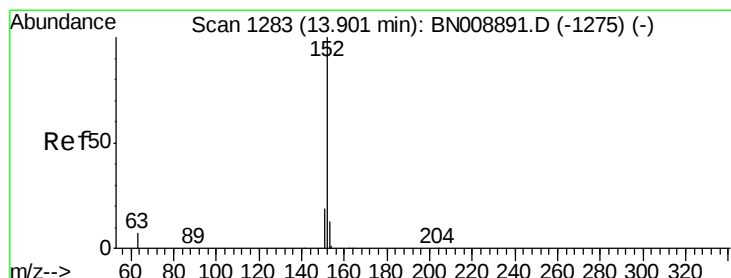
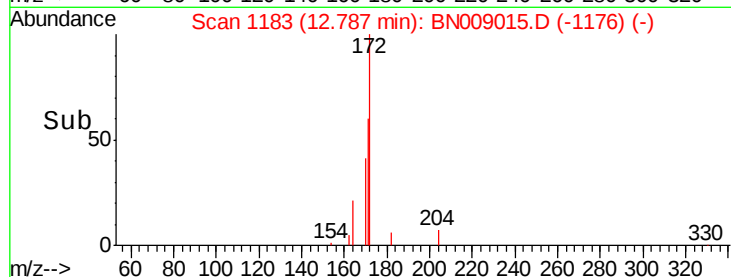
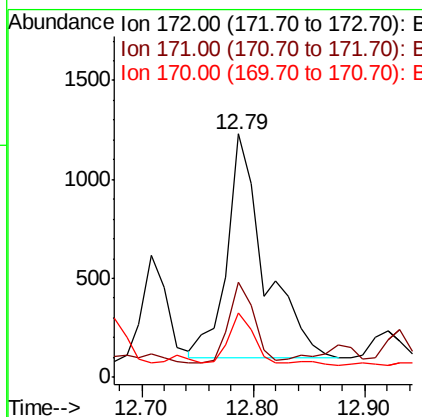
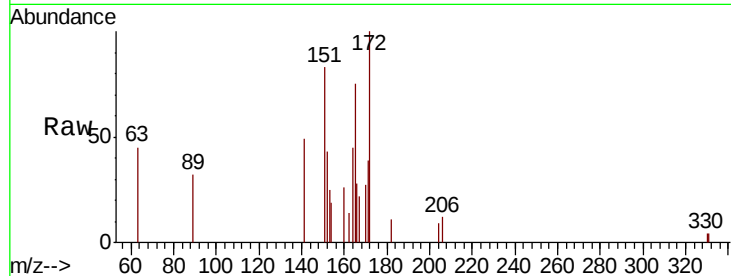
#15
2-Fluorobiphenyl
Concen: 0.041 ng
RT: 12.79 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-S

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.3	27.1	40.7
170	26.6	17.7	26.5

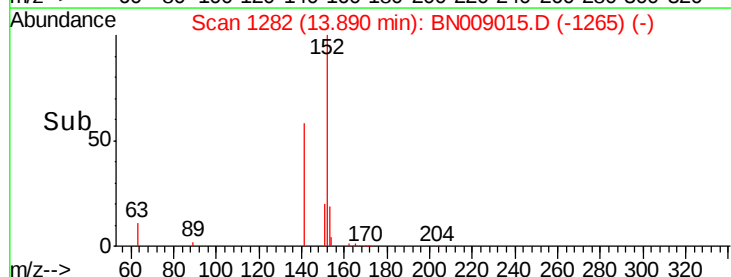
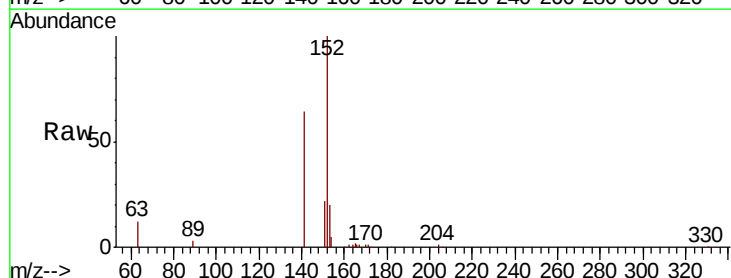
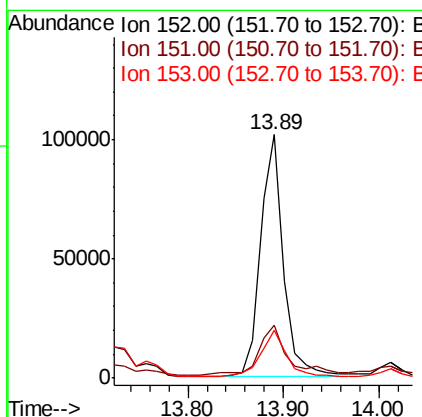
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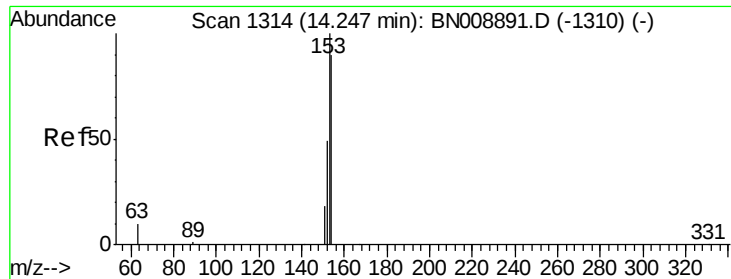
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#16
Acenaphthylene
Concen: 2.174 ng
RT: 13.89 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	25.3	15.3	22.9
153	21.7	10.3	15.5





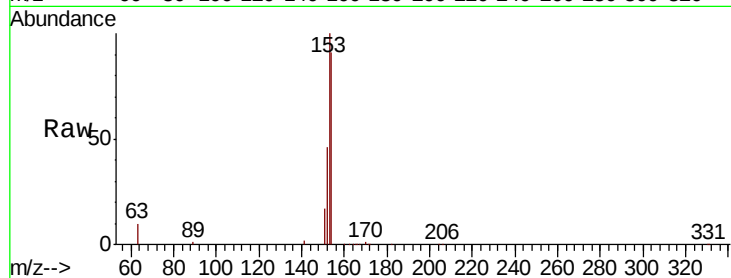
#17
Acenaphthene
Concen: 27.370 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-S

Tot Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.2	133.8
152	51.4	44.2	66.4

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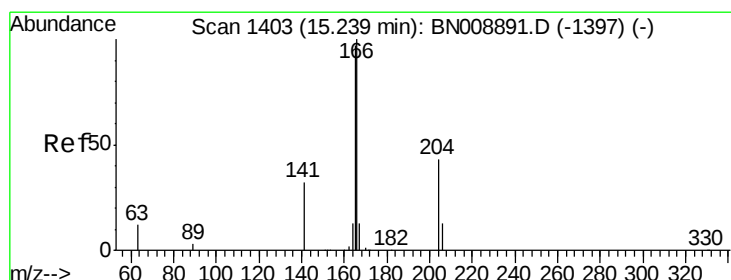
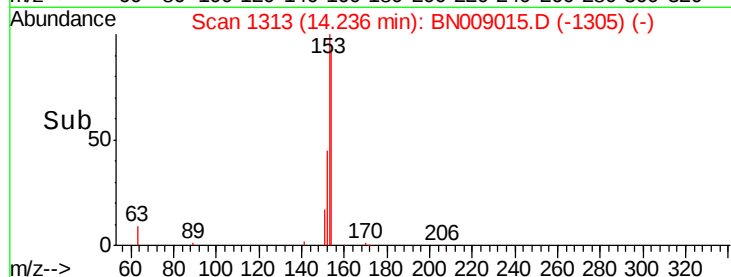
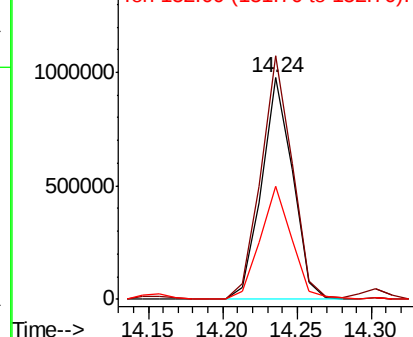


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 27.799 ng
RT: 15.23 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

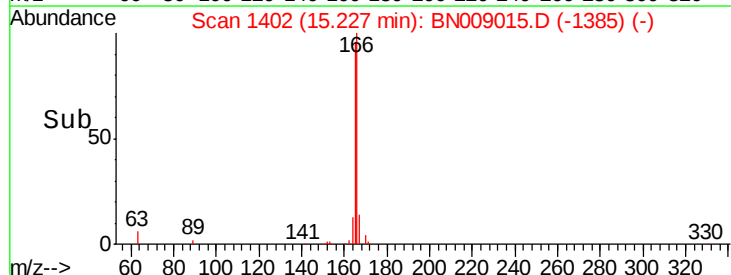
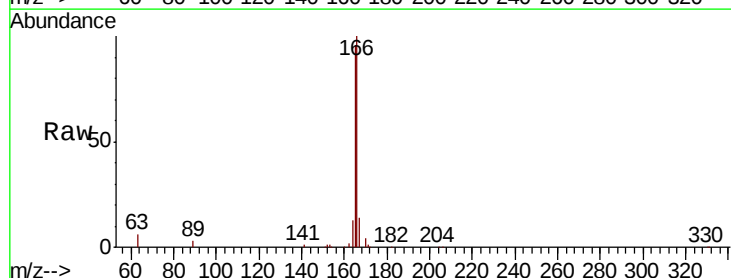
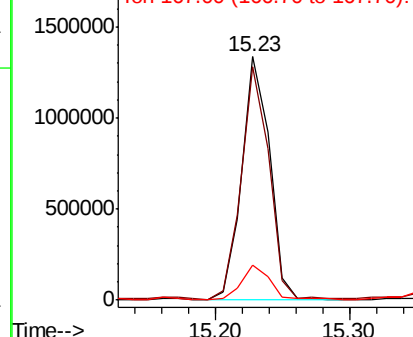
Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.0	77.3	115.9
167	14.9	10.8	16.2

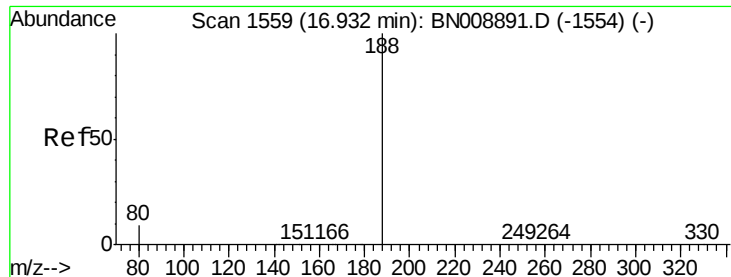
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN009015.D

Acq: 17 Dec 2019 14:16

Instrument :

BNA_N

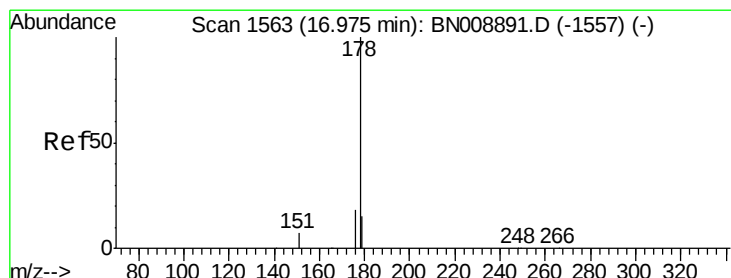
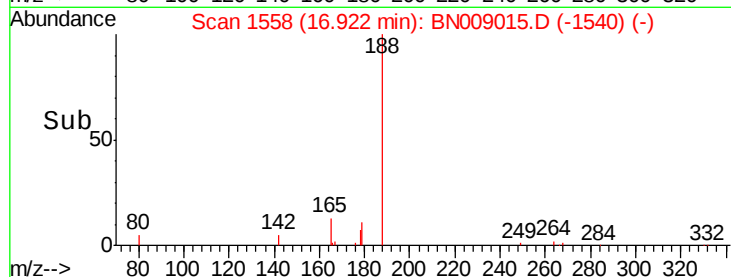
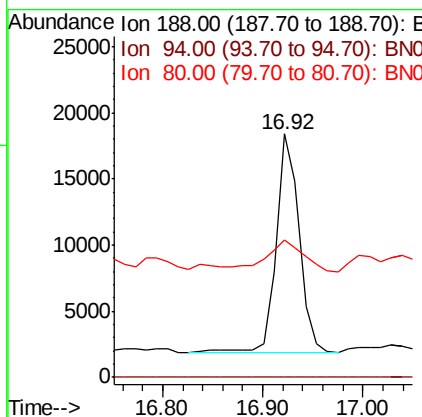
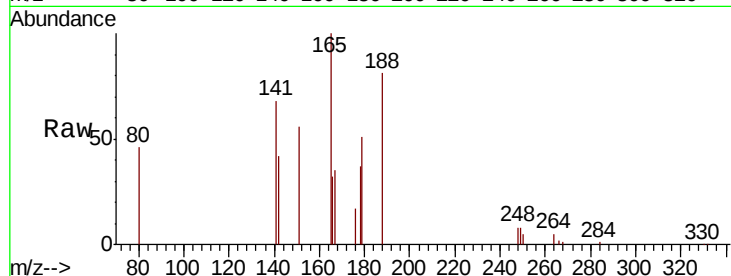
ClientSampleId :

BE-211-COMP-S

Tot Ion:	188	Resp:	26449
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	56.5	7.3	10.9#

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#23

Phenanthrene

Concen: 91.760 ng

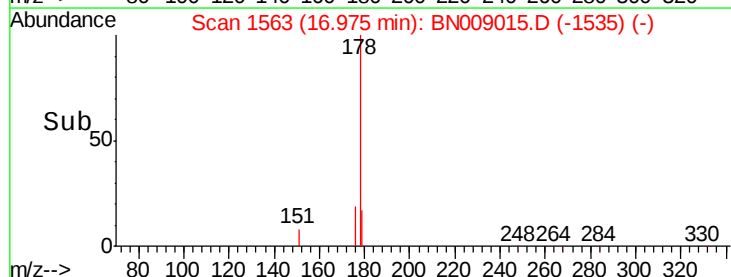
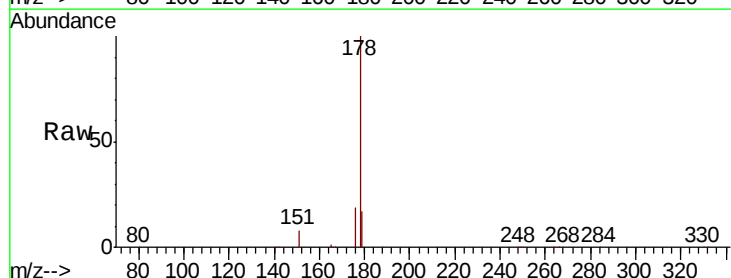
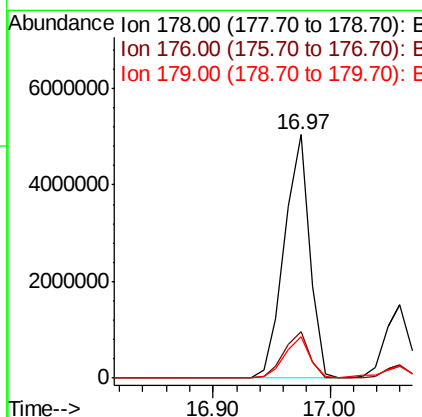
RT: 16.97 min Scan# 1563

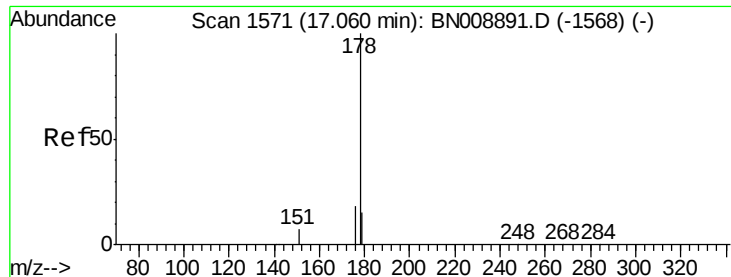
Delta R.T. 0.00 min

Lab File: BN009015.D

Acq: 17 Dec 2019 14:16

Tgt Ion:	178	Resp:	7638767
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.9	22.3
179	16.8	12.3	18.5





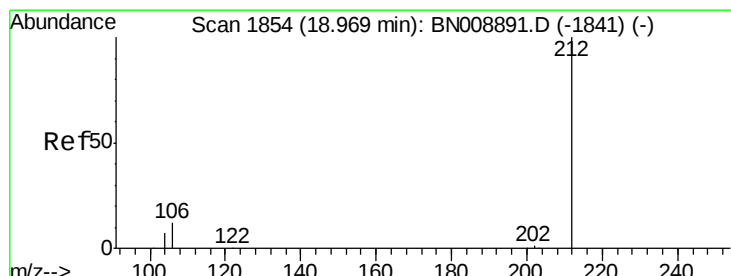
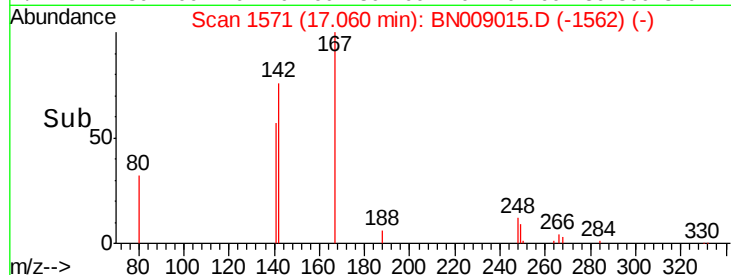
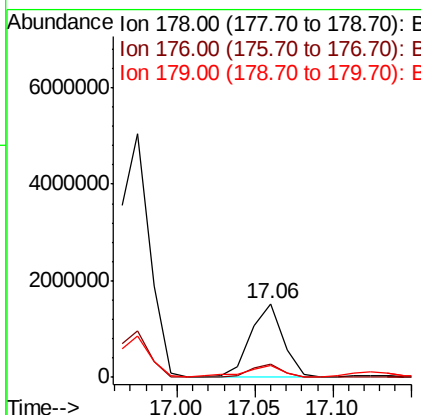
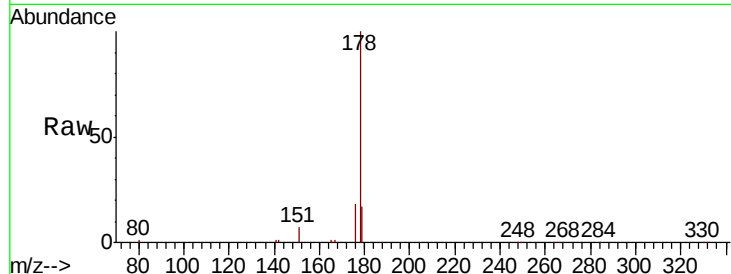
#24
 Anthracene
 Concen: 29.298 ng
 RT: 17.06 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BN009015.D
 Acq: 17 Dec 2019 14:16

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-S

Tot Ion:178 Resp: 2147879
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.4 21.6
 179 18.2 12.1 18.1#

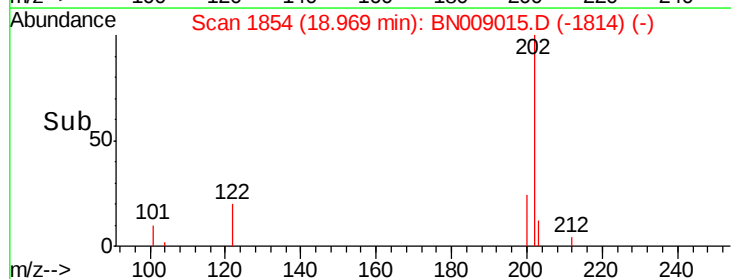
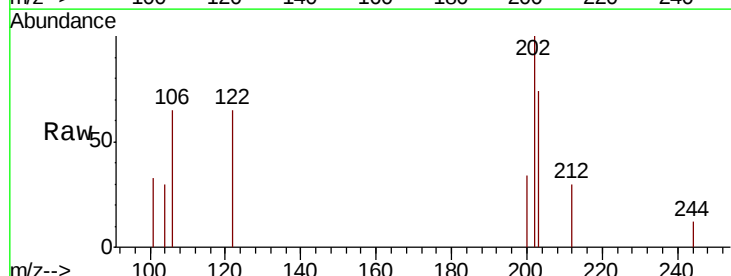
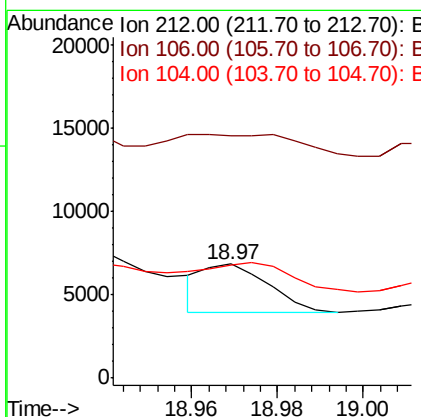
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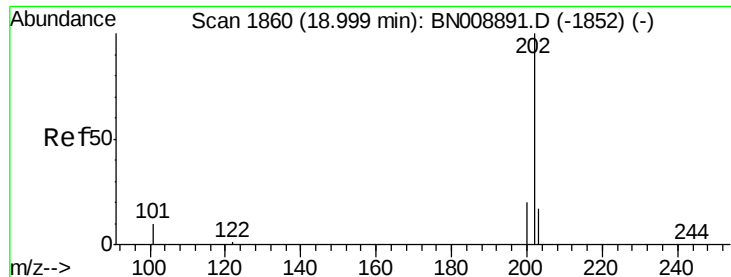
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#25
 Fluoranthene-d10
 Concen: 0.038 ng
 RT: 18.97 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: BN009015.D
 Acq: 17 Dec 2019 14:16

Tgt Ion:212 Resp: 3049
 Ion Ratio Lower Upper
 212 100
 106 87.3 10.4 15.6#
 104 72.6 5.9 8.9#





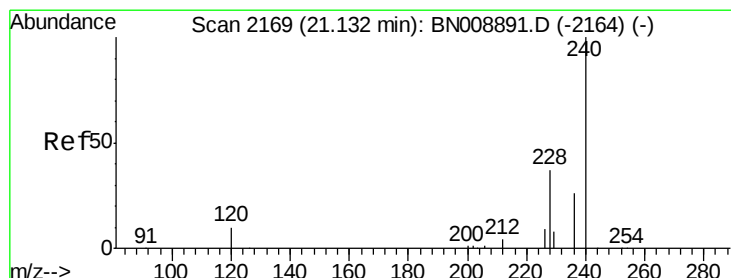
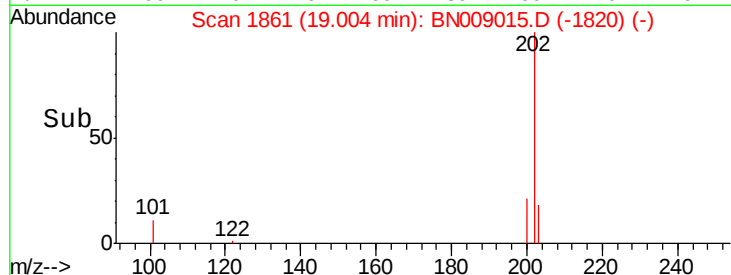
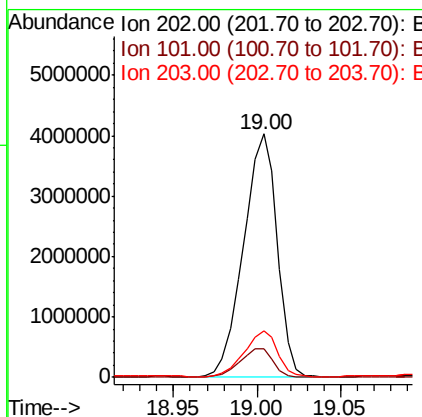
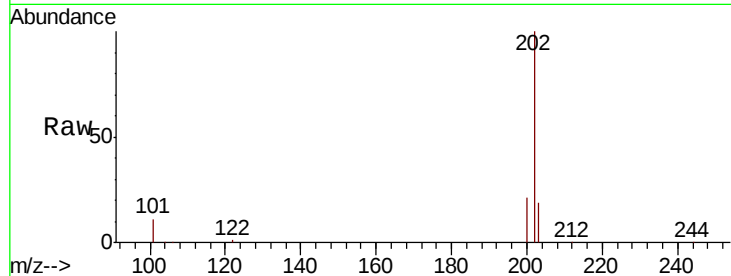
#26
Fluoranthene
Concen: 56.969 ng
RT: 19.00 min Scan# 1861
Delta R.T. 0.01 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-S

Tot Ion:202 Resp: 5643031
Ion Ratio Lower Upper
202 100
101 11.5 8.8 13.2
203 18.3 13.8 20.6

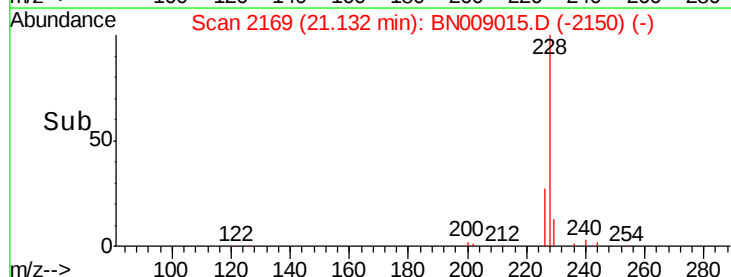
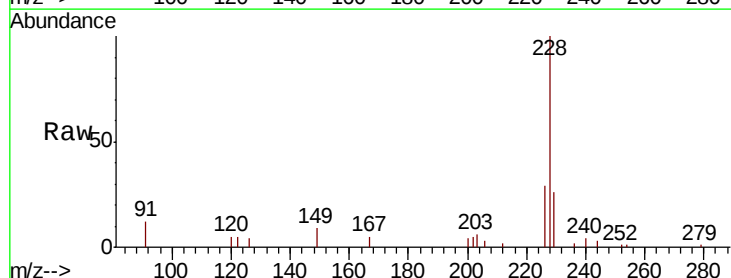
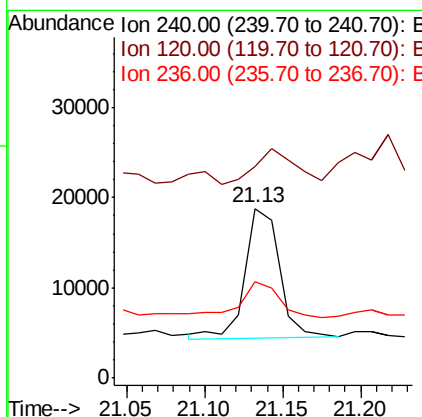
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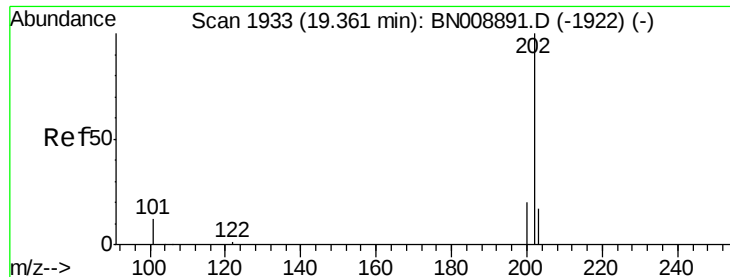
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.13 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Tgt Ion:240 Resp: 22205
Ion Ratio Lower Upper
240 100
120 124.3 9.1 13.7#
236 56.5 21.5 32.3#





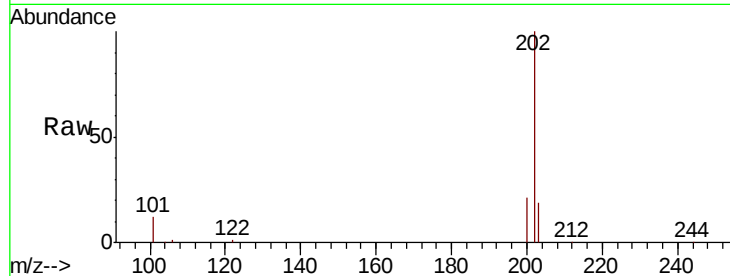
#28
Pvrene
Concen: 53.900 ng
RT: 19.37 min Scan# 1934
Delta R.T. 0.01 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-S

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.1	24.1
203	25.1	13.9	20.9

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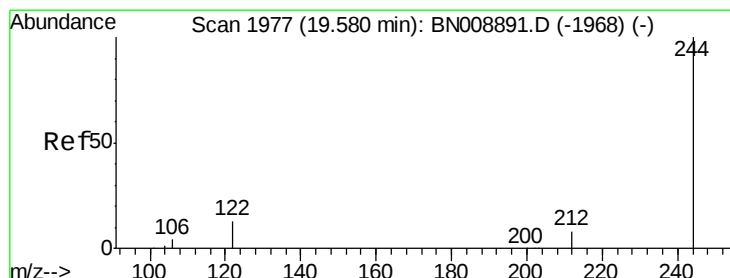
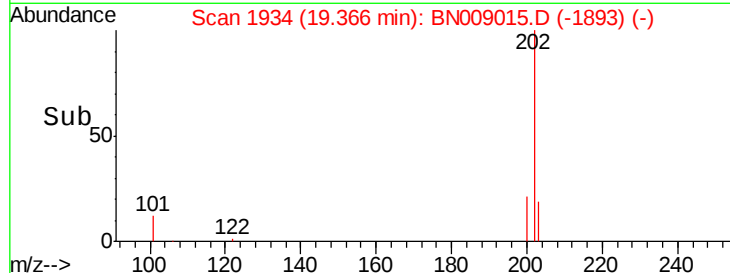
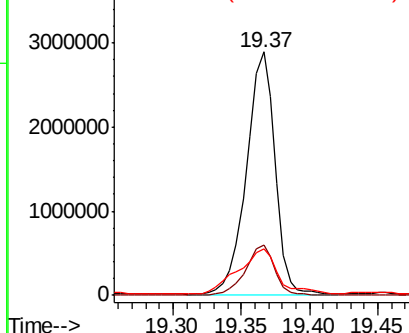


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29
Terphenyl-d14
Concen: 0.123 ng
RT: 19.57 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

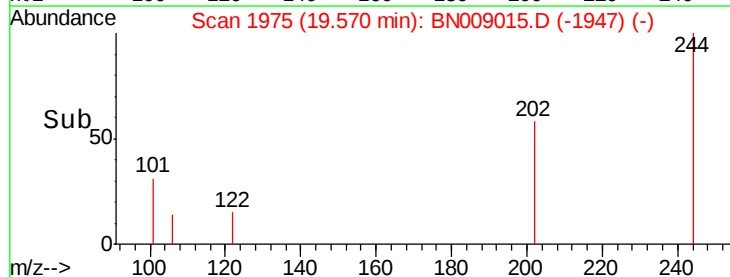
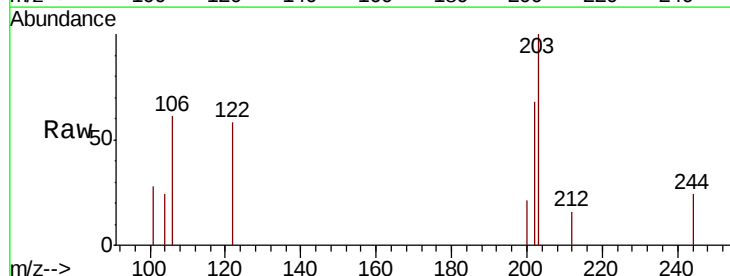
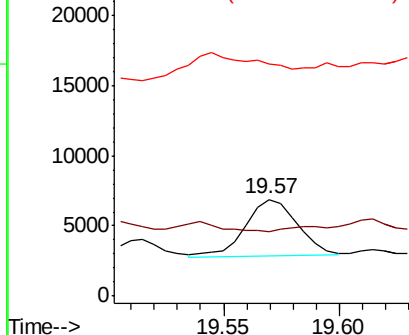
Tgt Ion	Ratio	Lower	Upper
244	100		
212	66.9	6.5	9.7
122	241.4	10.4	15.6

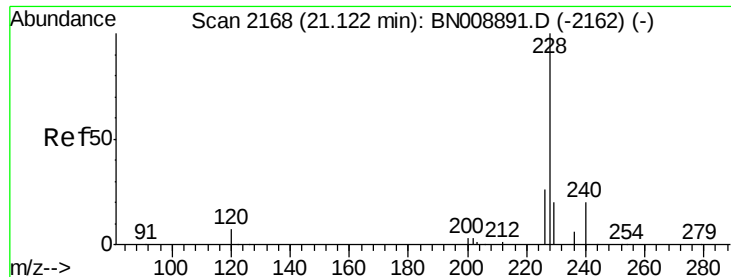
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





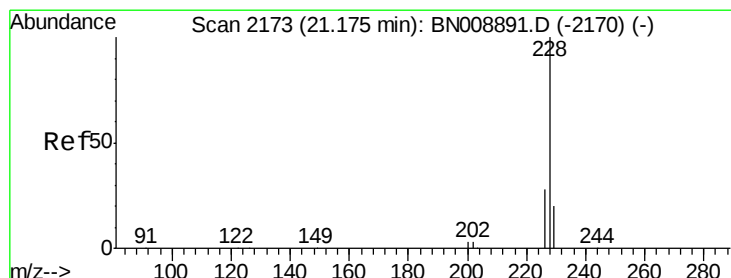
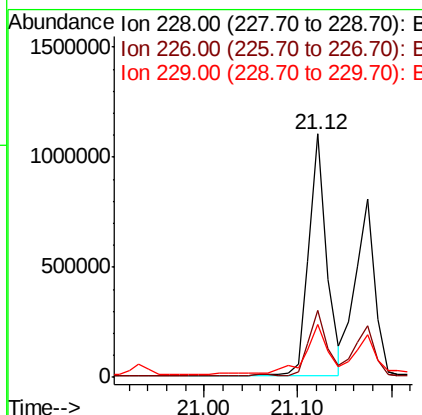
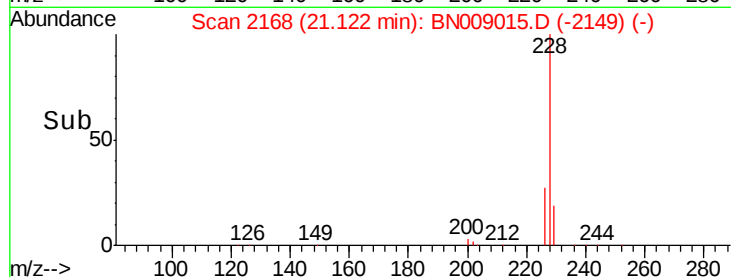
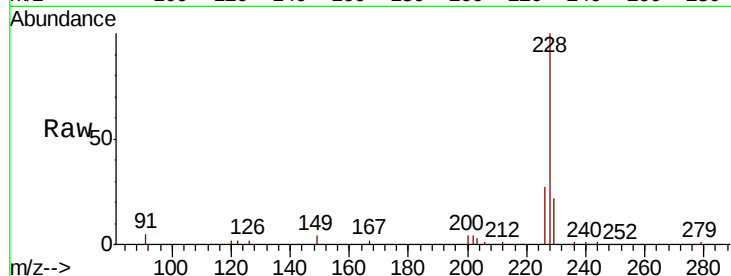
#30
Benzo(a)anthracene
Concen: 18.461 ng
RT: 21.12 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-S

Tot Ion:228 Resp: 1453490
Ion Ratio Lower Upper
228 100
226 27.5 20.6 30.8
229 21.9 15.9 23.9

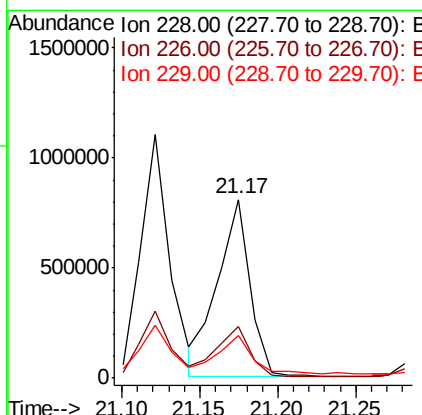
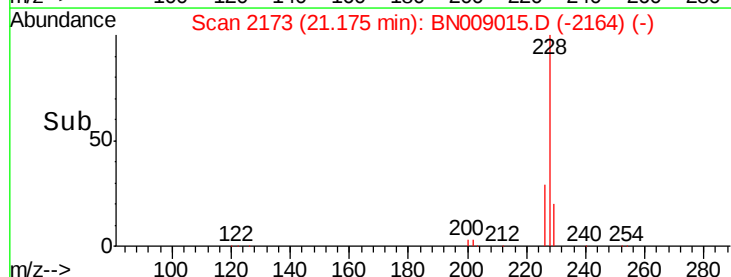
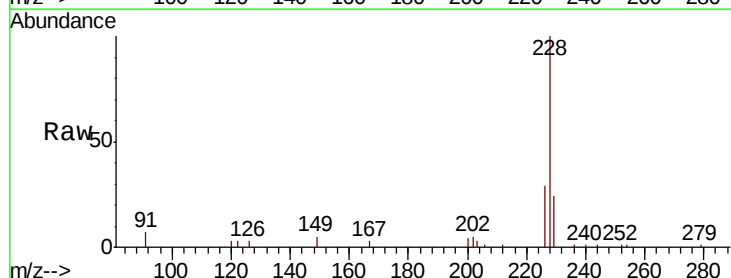
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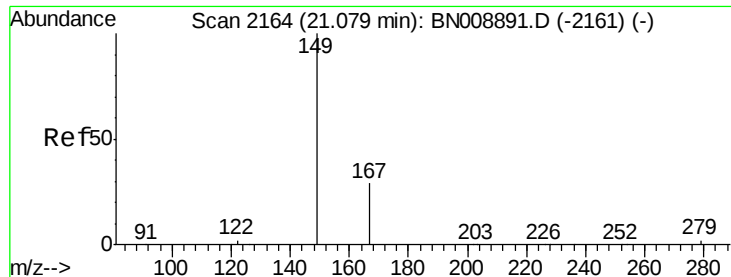
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#31
Chrysene
Concen: 14.222 ng
RT: 21.17 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Tgt Ion:228 Resp: 1160571
Ion Ratio Lower Upper
228 100
226 29.2 22.2 33.4
229 23.8 15.9 23.9





#32

Bis(2-ethylhexyl)phthalate

Concen: 2.621 ng

RT: 21.08 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BN009015.D

Acq: 17 Dec 2019 14:16

Instrument :

BNA_N

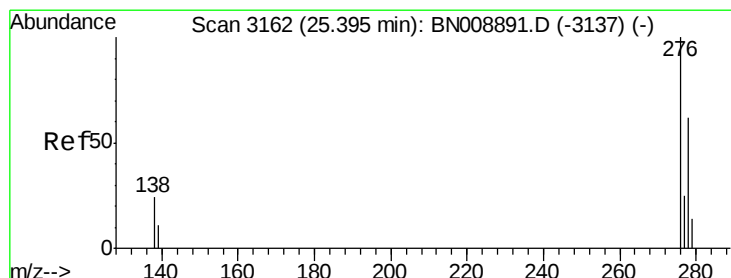
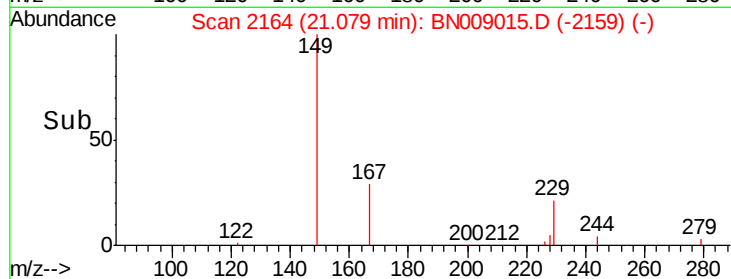
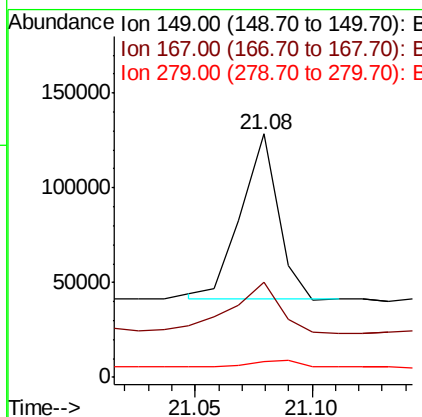
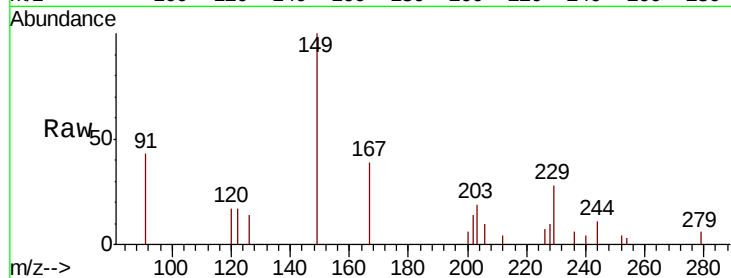
ClientSampleId :

BE-211-COMP-S

Tot Ion:	149	Resp:	96625
Ion Ratio	Lower	Upper	
149	100		
167	39.5	22.7	34.1#
279	5.4	3.3	4.9#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 3.562 ng

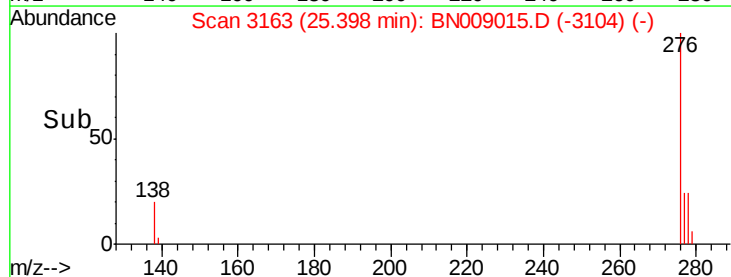
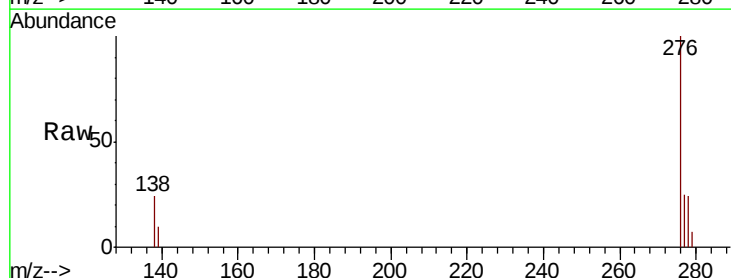
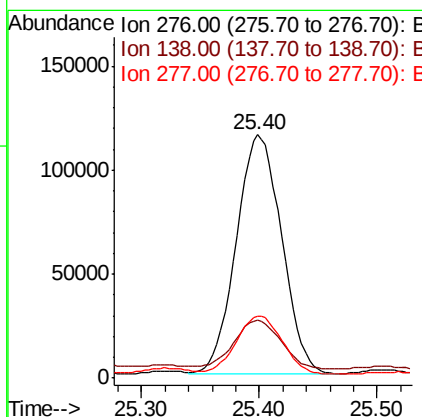
RT: 25.40 min Scan# 3163

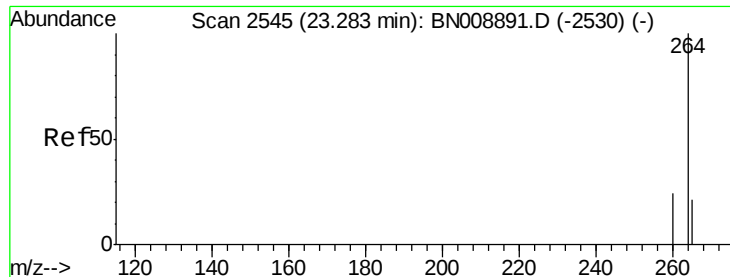
Delta R.T. 0.00 min

Lab File: BN009015.D

Acq: 17 Dec 2019 14:16

Tgt Ion:	276	Resp:	307776
Ion Ratio	Lower	Upper	
276	100		
138	21.0	19.9	29.9
277	24.7	19.8	29.8





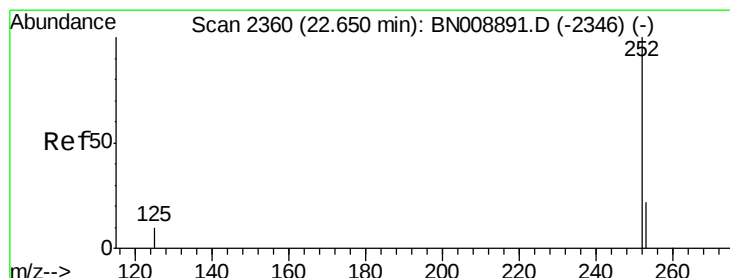
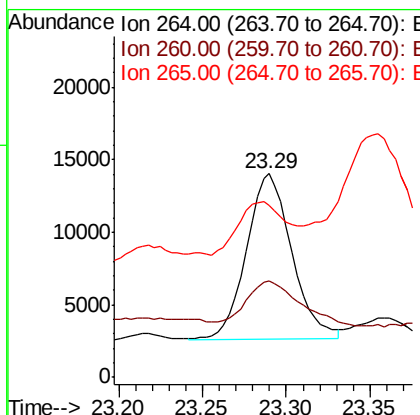
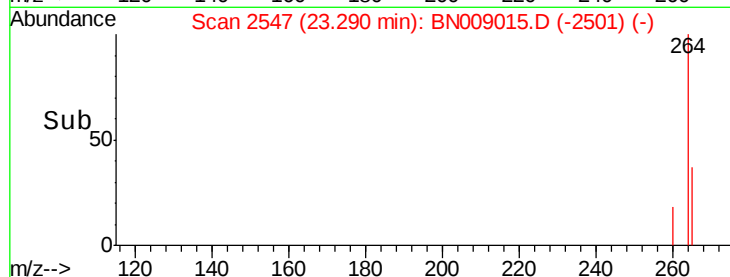
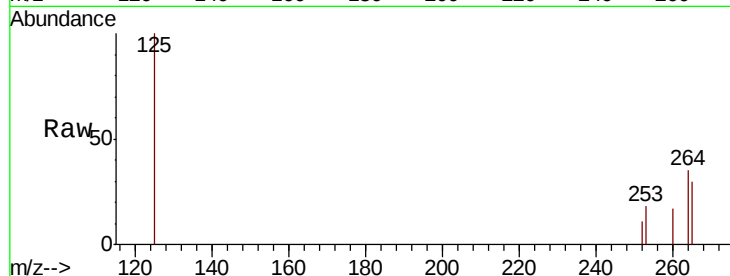
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.29 min Scan# 2547
 Delta R.T. 0.01 min
 Lab File: BN009015.D
 Acq: 17 Dec 2019 14:16

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	47.4	19.4	29.0#
265	84.7	47.5	71.3#

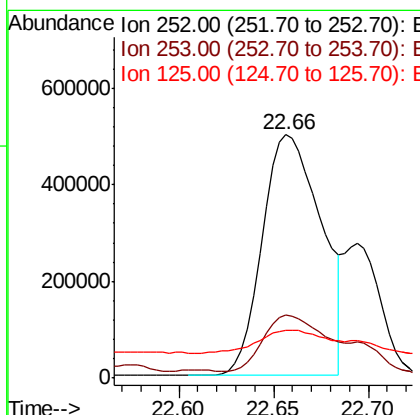
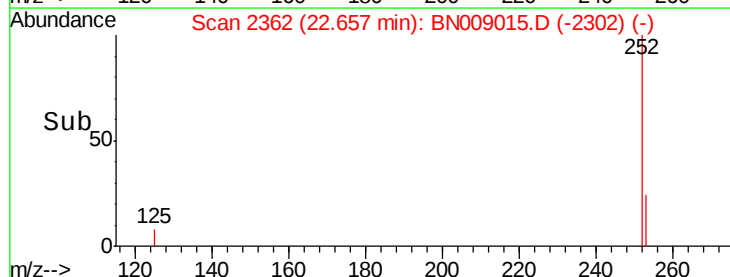
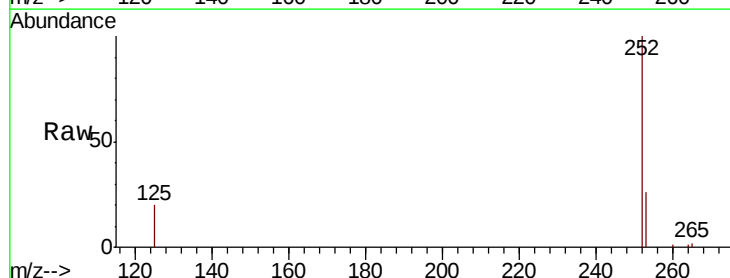
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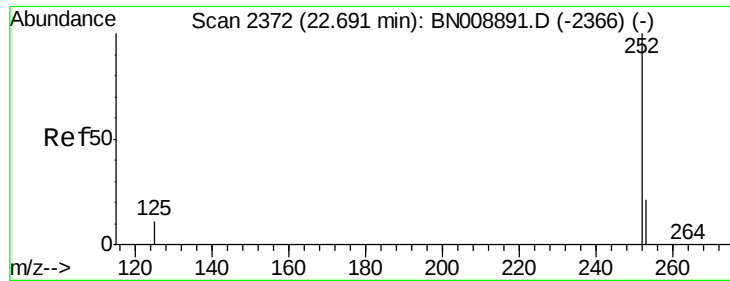
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#35
 Benzo(b)fluoranthene
 Concen: 13.956 ng
 RT: 22.66 min Scan# 2362
 Delta R.T. 0.01 min
 Lab File: BN009015.D
 Acq: 17 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	19.8	29.6
125	19.5	10.8	16.2#





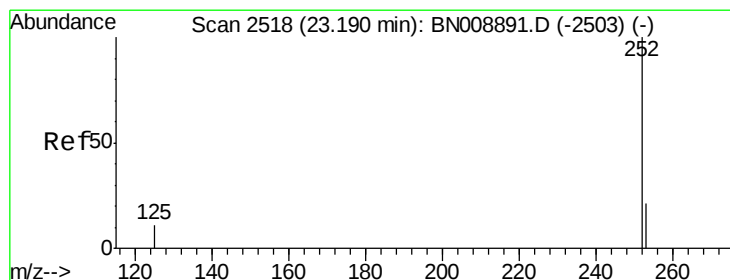
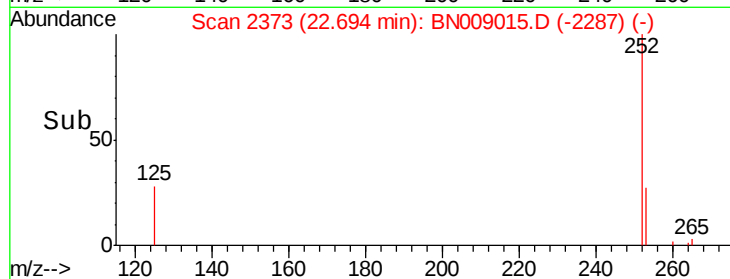
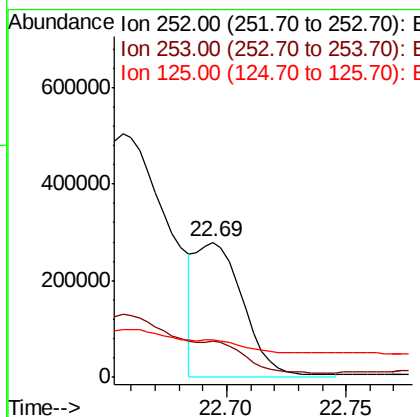
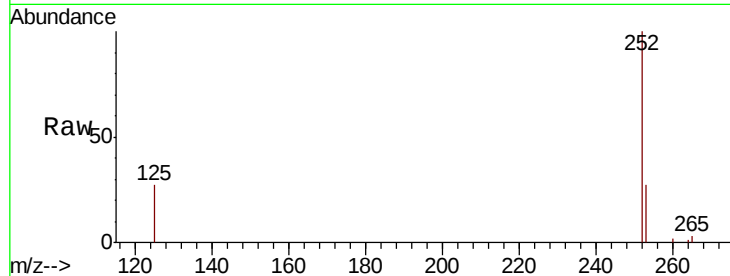
#36
Benzo(k)fluoranthene
Concen: 5.005 ng m
RT: 22.69 min Scan# 2373
Delta R.T. 0.00 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.2	28.8
125	27.5	11.6	17.4

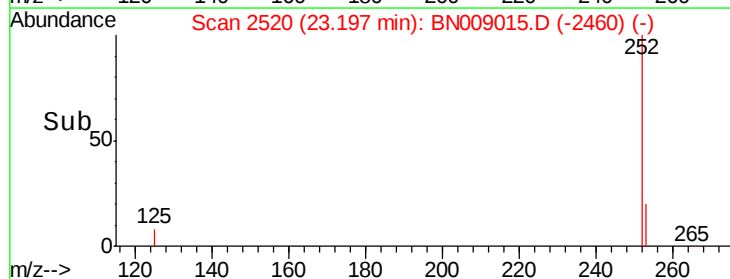
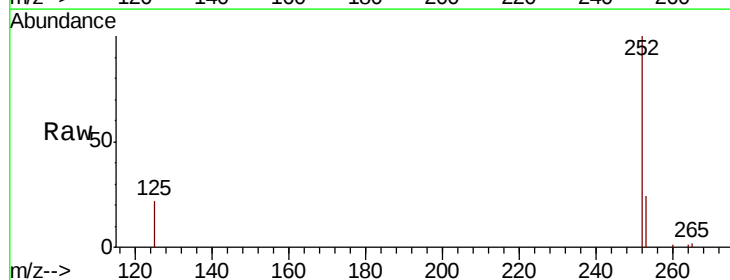
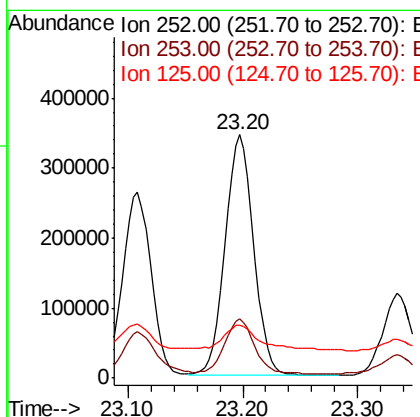
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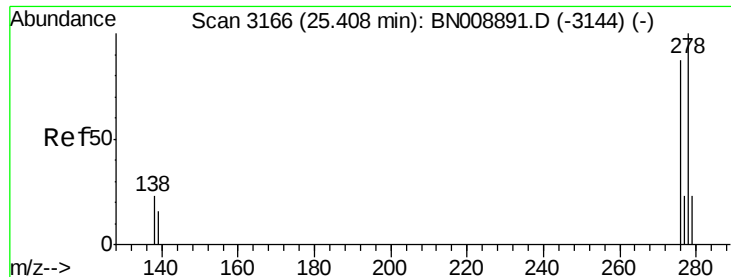
mohammad
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#37
Benzo(a)pyrene
Concen: 8.573 ng
RT: 23.20 min Scan# 2520
Delta R.T. 0.01 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.9	29.9
125	21.7	12.3	18.5





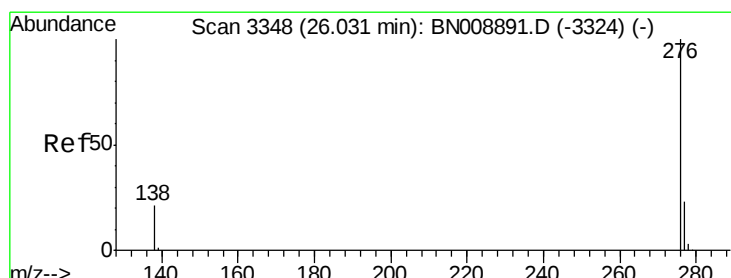
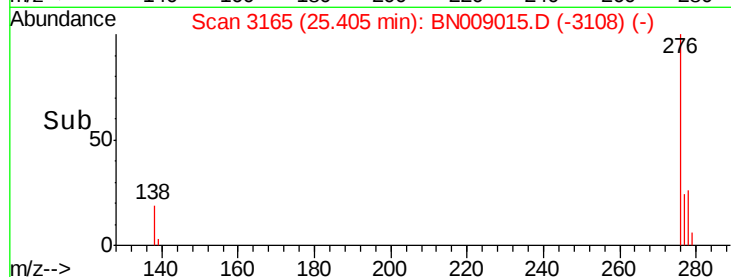
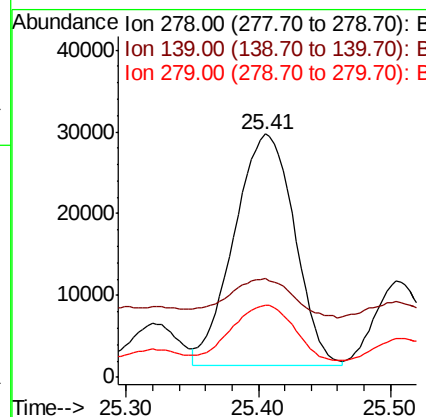
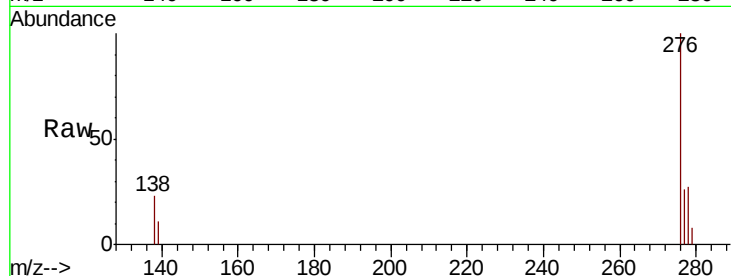
#38
Dibenzo(a,h)anthracene
Concen: 1.380 ng
RT: 25.41 min Scan# 3165
Delta R.T. -0.00 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-S

Tot Ion	Ratio	Lower	Upper
278	100		
139	40.4	13.9	20.9#
279	29.7	20.2	30.4

Manual Integrations
APPROVED

mohammad
12/18/2019 2:41:40 PM



#39
Benzo(g,h,i)perylene
Concen: 3.986 ng
RT: 26.04 min Scan# 3350
Delta R.T. 0.01 min
Lab File: BN009015.D
Acq: 17 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.2
138	23.5	17.8	26.6

